Amendments to the Specification:

Please replace the last paragraph on page 7 of the application with the following amended paragraph:

The service manipulator delivery system 70 of this invention is generally made up of the following major components shown in perspective in Figure 3. The track system [[90]] 80 comprises a series of bent plates forming a 360° circle that are adjustable to the diameter of different size reactor shrouds 18 by use of track support columns 84. The track support columns 84 are short and wide and act as beams perpendicular to the steam dam. The track support columns are bolted to the track on the bottom side. Thus use of the support columns enables the track to accommodate differing diameters of steam dams. A powered trolley 90 that rides on the track is guided by guide rails 82 so that it stands vertical without support from other reactor surfaces. The trolley can travel the full 360° of the track system 80. A support column assembly 100 rises up from the trolley and has laterally extending lifting arms 104 that support a pole system 106 inboard or outboard of the shroud 18. The pole system 106 can be lowered into the reactor or annulus outside the shroud to the bottom of the annulus or to the fuel support plate 28 shown in Figure 2. A flexible arm system 120 is attached to the end of the pole system 106 and can point a camera, positioned at its distal end, at all sides of a component that needs to be inspected. The combination of these components allows visual inspection of components in very tight spaces with accuracy and speed.

Please replace the last paragraph starting on page 8 and spanning page 9 with the following amended paragraph:

As can be best appreciated from Figure 7, the trolley system 90 in the preferred embodiment consists of three wheeled trolleys that support the remainder of the operating structure of this invention on the shroud track 80. The center trolley supports the main mast 102. One trolley provides a brace 82 for the main mast 102 and the other mounts the traction drive that powers the trolley around the track 80. One trolley is on either side of the center trolley to provide stability in the radial

direction. Each trolley has a set of stationary axels that support wheels that provide lateral support and an additional wheel to provide vertical support. In addition, the axels on the wheels on the inner side of each trolley rotate around a pivot that allows the inside wheels to span over obstacles when lowered onto the track 80. Each of the outer trolleys is provided with a cam 86 operated by an air cylinder that can clamp onto the shroud track 80 to aid stability and traction. The embodiment illustrated in Figures 3-6 is substantially identical [[if]] in function, but employs a single elongated wheeled trolley in place of the three wheeled trolleys.

Please replace the first full paragraph appearing on page 9 with the following amended paragraph:

In the embodiment illustrated in Figure 7 the support column assembly comprises a main mast 102, which is supported by one side support column 101 through a tie plate 103. Though it should be appreciated that two side support columns 101 may also be employed as illustrated in Figures 3-6. A lifting lug 109 is mounted on the top center of the tie plate 103 so the lift rig can hoist the trolley system 90, including the support column assembly 100 in position once the track 80 is placed on the shroud steam dam 68. The main mast 102 is a frame that rotates on a pole that is attached to a remotely-operated motorized chain drive at its rotatable base. The frame is fitted with two laterally extending arms 104 that extend at a downwardly-directed angle, desirably between 45 and 60° from the horizontal and preferably 60° from the horizontal. The two laterally extending arms on either side include a slotted gear track 110. Each arm is formed from an articulated strip of metal that is bent around and welded to the mast 102 and extends on both sides in the downward direction, with the slotted tracks [[104]] 110 on either side. The pole system 106 is supported by the slotted tracks 110 on either side of the laterally extending arms 104 so that the pole system 106 can be raised and lowered within the slotted track 110 through a remotely-operated motor system, while being maintained parallel to the main mast 102. The pole system 106 is also moved in the horizontal direction as it traverses the track 110, which enables the pole system to avoid interfering with the core spray sparger. The tracks 110 are set at an angle to

allow the poles 106 to slide downward before being lowered into the reactor annulus. The main mast frame 102 also provides mounting for the pole lowering hoist and the rotational drive motor that rotates the main mast frame 102 nearly 360° to position the pole system 106 on either the inboard or outboard side of the shroud 18. The tracks allow extra length for the poles while allowing them to swing under the core spray piping. The angular position of the tracks provides a means of moving the poles both vertically and horizontally before extending the poles vertically using only one motor.

Please replace the first full paragraph appearing on page 12 with the following amended paragraph:

Figure 4 shows the service manipulator system of this invention deployed in the inboard direction with the pole system 106 retracted and positioned on the lowest extent of the track 110. In this view, the camera system 120 is shown extended. From this view, it can be appreciated that the track 80 is provided with track support columns 84 that in addition to accommodating different diameter shrouds, as previously mentioned, [[functions]] function as standoffs [[the]] that facilitate the track clearing obstructions on the shroud lip 68.